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<110> EISAI CO., LTD.

<120> ADIP PROTEIN AND USE THEREOF

<130> 2144.0100000

<140> US 10/644,084

<141> 2003-08-20

<150> JP 2002-284263

<151> 2002-09-27

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<170> PatentIn version 3.3

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<223> /note="afadin-and alpha-actinin-binding protein"

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Ser Trp Arg Thr Asp Lys Thr Glu Ala Arg Asn Glu Asp Glu Met Tyr
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Lys Ile Leu Leu Asn Asp Tyr Glu Tyr Arg Gln Lys Gln Ile Leu Leu
260 265 270

Glu Asn Ala Glu Leu Lys Lys Val Leu Gln Gln Met Lys Lys Glu Met
275 280 285

Ile Ser Leu Leu Ser Pro Gln Lys Lys Lys Pro Arg Glu Arg Ala Glu
290 295 300

Asp Ser Thr Gly Thr Val Val Ile Ser Asp Val Glu Asp Asp Ala Gly
305 310 315 320

Glu Leu Ser Arg Asp Gly Val Trp Ser Leu Ser Cys Asp Thr Val Arg
325 330 335

Glu Gln Leu Thr Asn Ser Ile Arg Lys Gln Trp Arg Ile Leu Lys Ser
340 345 350

His Val Glu Lys Leu Asp Asn Gln Ala Ser Lys Val His Ser Glu Gly
355 360 365

Phe His Glu Glu Asp Val Ile Ser Arg Gln Asp His Glu Gln Glu Thr
370 375 380

Glu Lys Leu Glu Leu Glu Ile Glu Arg Cys Lys Glu Met Ile Lys Ala
385 390 395 400

Gln Gln Gln Leu Leu Gln Gln Gln Leu Ala Thr Ala Cys Asp Asp Asp
405 410 415

Thr Thr Ser Leu Leu Arg Asp Cys Tyr Leu Leu Glu Glu Lys Glu Arg
420 425 430

Leu Lys Glu Glu Trp Ser Leu Phe Lys Glu Gln Lys Lys Asn Phe Glu
435 440 445

Arg Glu Arg Arg Ser Phe Thr Glu Ala Ala Ile Arg Leu Gly Leu Glu
450 455 460

Arg Lys Ala Phe Glu Glu Glu Arg Ala Ser Trp Val Lys Gln Gln Phe
465 470 475 480

Leu Asn Met Thr Thr Phe Asp His Gln Asn Ser Glu Asn Val Lys Leu
 485 490 495

Phe Ser Ala Phe Ser Gly Ser Ser Asp Pro Asp Asn Leu Ile Val His
 500 505 510

Pro Arg Pro Arg Gln Lys Lys Pro His Ser Val Ala Asn Gly Val Pro
 515 520 525

Ala Cys Thr Ser Lys Leu Ala Lys Ser Leu Pro Thr Ser Pro Ser Asp
 530 535 540

Phe Cys Pro Ser Arg Ser Cys Val Ser Glu His Ser Pro Val Ser Ala
 545 550 555 560

Leu Thr Val Thr Pro Glu Glu Thr Lys Pro Asn Glu Val Gly Arg Glu
 565 570 575

Ser Thr Asp Gln Lys Trp Ser Val Val Ser Arg Pro Ser Ser Arg Glu
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Gly Cys Tyr Gly Gly Cys Ser Ser Ala Tyr Thr Ser Ser His Val Glu
 595 600 605

Arg Asp Asp Leu Pro
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<213> Artificial

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<223> an artificially synthesized primer sequence

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22

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<223> an artificially synthesized primer sequence

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24

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23

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<211> 626

<212> PRT

<213> Homo sapiens

<400> 9

Thr	Ser	Ser	Ser	Gly	Ile	Leu	Ala	Leu	Glu	Ile	Ala	Met	Gly	Asp	Trp
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Met	Thr	Val	Thr	Asp	Pro	Gly	Leu	Ser	Ser	Glu	Ser	Lys	Thr	Ile	Ser
			20					25					30		

Gln	Tyr	Thr	Ser	Glu	Thr	Lys	Met	Ser	Pro	Ser	Ser	Leu	Tyr	Ser	Gln
	35						40					45			

Gln	Val	Leu	Cys	Ser	Ser	Ile	Pro	Leu	Ser	Lys	Asn	Val	His	Ser	Phe
	50					55					60				

Phe	Ser	Ala	Phe	Cys	Thr	Glu	Asp	Asn	Ile	Glu	Gln	Ser	Ile	Ser	Tyr
65					70					75					80

Leu	Asp	Gln	Glu	Leu	Thr	Thr	Phe	Gly	Phe	Pro	Ser	Leu	Tyr	Glu	Glu
			85					90						95	

Ser	Lys	Gly	Lys	Glu	Thr	Lys	Arg	Glu	Leu	Asn	Ile	Val	Ala	Val	Leu
			100					105						110	

Asn Cys Met Asn Glu Leu Leu Val Leu Gln Arg Lys Asn Leu Leu Ala
115 120 125

Gln Glu Asn Val Glu Thr Gln Asn Leu Lys Leu Gly Ser Asp Met Asp
130 135 140

His Leu Gln Ser Cys Tyr Ser Lys Leu Lys Glu Gln Leu Glu Thr Ser
145 150 155 160

Arg Arg Glu Met Ile Gly Leu Gln Glu Arg Asp Arg Gln Leu Gln Cys
165 170 175

Lys Asn Arg Asn Leu His Gln Leu Leu Lys Asn Glu Lys Asp Glu Val
180 185 190

Gln Lys Leu Gln Asn Ile Ile Ala Ser Arg Ala Thr Gln Tyr Asn His
195 200 205

Asp Met Lys Arg Lys Glu Arg Glu Tyr Asn Lys Leu Lys Glu Arg Leu
210 215 220

His Gln Leu Val Met Asn Lys Lys Asp Lys Lys Ile Ala Met Asp Ile
225 230 235 240

Leu Asn Tyr Val Gly Arg Ala Asp Gly Lys Arg Gly Ser Trp Arg Thr
245 250 255

Gly Lys Thr Glu Ala Arg Asn Glu Asp Glu Met Tyr Lys Ile Leu Leu
260 265 270

Asn Asp Tyr Glu Tyr Arg Gln Lys Gln Ile Leu Met Glu Asn Ala Glu
275 280 285

Leu Lys Lys Val Leu Gln Gln Met Lys Lys Glu Met Ile Ser Leu Leu
290 295 300

Ser Pro Gln Lys Lys Lys Pro Arg Glu Arg Val Asp Asp Ser Thr Gly
305 310 315 320

Thr Val Ile Ser Asp Val Glu Glu Asp Ala Gly Glu Leu Ser Arg Glu
325 330 335

Ser Met Trp Asp Leu Ser Cys Glu Thr Val Arg Glu Gln Leu Thr Asn
340 345 350

Ser Ile Arg Lys Gln Trp Arg Ile Leu Lys Ser His Val Glu Lys Leu
355 360 365

Asp Asn Gln Val Ser Lys Val His Leu Glu Gly Phe Asn Asp Glu Asp
370 375 380

Val Ile Ser Arg Gln Asp His Glu Gln Glu Thr Glu Lys Leu Glu Leu
385 390 395 400

Glu Ile Gln Gln Cys Lys Glu Met Ile Lys Thr Gln Gln Gln Leu Leu
405 410 415

Gln Gln Gln Leu Ala Thr Ala Tyr Asp Asp Asp Thr Thr Ser Leu Leu
420 425 430

Arg Asp Cys Tyr Leu Leu Glu Glu Lys Glu Arg Leu Lys Glu Glu Trp
435 440 445

Ser Leu Phe Lys Glu Gln Lys Lys Asn Phe Glu Arg Glu Arg Arg Ser
450 455 460

Phe Thr Glu Ala Ala Ile Arg Leu Gly Leu Glu Arg Lys Ala Phe Glu
465 470 475 480

Glu Glu Arg Ala Ser Trp Leu Lys Gln Gln Phe Leu Asn Met Thr Thr
485 490 495

Phe Asp His Gln Asn Ser Glu Asn Val Lys Leu Phe Ser Ala Phe Ser
500 505 510

Gly Ser Ser Asp Trp Asp Asn Leu Ile Val His Ser Arg Gln Pro Gln
515 520 525

Lys Lys Pro His Ser Val Ser Asn Gly Ser Pro Val Cys Met Ser Lys
530 535 540

Leu Thr Lys Ser Leu Pro Ala Ser Pro Ser Thr Ser Asp Phe Cys Gln
545 550 555 560

Thr Arg Ser Cys Ile Ser Glu His Ser Ser Ile Asn Val Leu Asn Ile
565 570 575

Thr Ala Glu Glu Ile Lys Pro Asn Gln Val Gly Gly Glu Cys Thr Asn
580 585 590

Gln	Lys	Trp	Ser	Val	Ala	Ser	Arg	Pro	Gly	Ser	Gln	Glu	Gly	Cys	Tyr
	595						600					605			

Ser	Gly	Cys	Ser	Leu	Ser	Tyr	Thr	Asn	Ser	His	Val	Glu	Lys	Asp	Asp
610						615					620				

Leu	Pro
625	